

ABSTRACT

The invention provides for encrypting electronic information such as a document so that only users with permission may access the document in decrypted form. The process of encrypting the information includes selecting a set of policies as to who may access the information and under what conditions. A remote server stores a unique identifier for the information and associates an encryption/decryption key pair and access policies with the information. Software components residing on the author's computer retrieve the encryption key from the remote server, encrypt the information, and store the encrypted information at a location chosen by the author. A user wishing to access the information acquires the encrypted information electronically. Software components residing on the viewing user's computer retrieve the associated decryption key and policies, decrypt the information to the extent authorized by the policies, and immediately delete the decryption key from the viewing user's computer upon decrypting the information and rendering the clear text to the viewing user's computer screen. The software components are also capable of prohibiting functional operations by the viewing user's computer while the clear text is being viewed.